

RECEIVED  
CENTRIFAX CENTER

DEC 09 2003

OFFICIAL

PTO/SB/97 (12-97)  
 Approved for use through 9/30/00. OMB 0651-0031  
 Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

In re: Anand Rangarajan et al.  
 Case: P3919 Application No.: 09/550,348 Filing date: 04/14/2000  
 Art Unit: 2178 Examiner: Joshua D. Campbell  
 Subject: Method and Apparatus for Providing Auto-Registration and Service Access to Internet Sites for Internet Portal Subscribers

**Certificate of Transmission under 37 CFR 1.8**

Attention: Joshua D. Campbell, Examiner

Fax No.: (703) 872-9306

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office

on 12/09/2003

Date



Signature

Lynda Schwalenberg

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

**Total Sheets Transmitted - 13**

1. Response A - 8 sheets
2. Response Transmittal Form - 1 sheet
3. Duplicate Response Transmittal Form - 1 sheet
4. Affidavit under 37 CFR 1.131 - 2 sheets
5. Certificate of Transmission - 1 sheet

Please call me at (831) 726-1457 if you have any questions.

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED  
CENTRAL FAX CENTER

DEC 09 2003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Art Unit 2178  
Examiner Joshua D. Campbell

In Re: Anand Rangarajan et al.  
Case: P3919  
Serial No.: 09/550,348  
Filed: 04/14/2000  
Subject: **Method and Apparatus for Providing Auto-Registration  
and Service Access to Internet Sites for Internet Portal  
Subscribers**

To: The Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir;

**OFFICIAL**  
SC  
#5A  
12/15/03

# Response A

- 2 -

All of the claims pending for examination are presented below. Claims 16, 17 and 18 are amended in the present response. Claim 19 is added.

1. (Original) A software application for populating and submitting interactive forms by proxy, comprising;

a function for finding and capturing data about a site associated with the form and about the form associated with the site;

a function for writing a job order containing data specific to the site, the associated form, and a requesting user;

a function for navigating to the site and submitting data to a host sponsoring the site using the form associated with the site; and

a function for returning and recording a portion of the form-submitted data accepted by the host for subsequent use in gaining access to the site.

2. (Original) The software application of claim 1 wherein the site is an interactive information-page located on a data-packet-network.

3. (Original) The software application of claim 2 wherein the site is an electronic WEB page and the data-packet-network is the Internet network.

4. (Original) The software application of claim 2 wherein the form is an interactive registration form contained within the site.

5. (Original) The software application of claim 4 wherein the host is a company providing a service available through the site and accessible through the form

- 3 -

contained in the site.

6. (Original) The software application of claim 3 wherein all of the software functions are resident in a single server-node on the Internet and are executed from the single server-node.

7. (Original) The software application of claim 3 wherein certain software functions are distributed over a plurality of server nodes on the Internet and are executed from those server nodes.

8. (Original) The software application of claim 3 wherein the job order is written in the form of eXtensible mark-up language.

9. (Original) A hardware-software system for configuring and executing a job order

for populating and submitting an interactive form to a host and returning data from the host comprising;

a portal server running configuration software for interfacing with a user and for accepting data input in the form of an order request and configuration data;

a generation sever running order-writing software for generating the job order according to a job request initiated by the portal server;

a navigation server running form population software for executing the job order received from the generation server according to instruction and data contained therein; and

a data repository accessible to the servers for recording, storing and serving data, such that a user connected to the portal server and utilizing the

- 4 -

configuration software may obtain data about a site and about an associated interactive form, the data ultimately made available along with user data to the generation server which writes the job order for execution by the navigation server, and wherein accepted form-submitted data is returned by the navigation server to the data repository and recorded for subsequent access to the site.

10. (Original) The hardware-software system of claim 9 wherein the host is a company maintaining an interactive information page located on a data-packet-network.

11. (Original) The hardware-software system of claim 10 wherein the interactive information page is an electronic WEB page available on the Internet.

12. (Original) The hardware-software system of claim 11 wherein the form is an interactive registration form provided in the electronic WEB page.

13. (Original) The hardware-software system of claim 12 wherein the job order is written in eXtensible mark-up language.

14. (Original) The hardware-software system of claim 10 wherein a separate and dedicated data network inter-connects the server-nodes for communication.

15. (Original) A method for populating and submitting an interactive form by proxy comprising the steps of;

- (a) obtaining data specific to a form, a site, and a requesting user;
- (b) writing a job order for navigating to the site for the purpose of populating and submitting the form to a host associated with the site; and

- 5 -

(c) executing the job order.

16. (Currently Amended) The method of claim 14 15 wherein in step (a), the site is an electronic information page hosted on the Internet and the form is an electronic form located within the information page.

17. (Currently Amended) The method of claim 14 15 wherein in step (b), the job order is written in eXtensible mark-up language.

18. (Currently Amended) The method of claim 14 15 wherein step (c) includes a sub-execution for obtaining data from the site after successful form submission to the host sponsoring the site.

19. (Currently added) A software application for populating and submitting interactive forms by proxy, comprising;

a function for finding and capturing data about a site associated with the form and about the form associated with the site;

a function for writing a job order containing data specific to the site, the associated form, and a requesting user;

a function for navigating to the site and submitting data to a host sponsoring the site using the form associated with the site;

a function for returning and recording a portion of the form-submitted data accepted by the host for subsequent use in gaining access to the site; and

a function for returning and recording data that is the result of the submission.